



## PATENT ABSTRACTS OF JAPAN

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(54) **PERMSELECTIVE MEMBRANE FOR  
 SEPARATION OF GAS**

(57) Abstract:

PURPOSE: To provide a titled permeable membrane having excellent permselectivity of oxygen and a high transmission rate by consisting the same of polyurea contg. a prescribed amt. of a component having the skeleton of a specific dimethyl siloxane deriv.

CONSTITUTION: A diisocyanate component and a compd. having two amino groups selected from primary and secondary amino groups are brought into reaction with each other. Said diisocyanate component contains 50mol% the component expressed by the formula I [(I) and (m) are the same or different 1W10 integers (n) is 0 or 1W200 integers R<sup>1</sup>WR<sup>6</sup> are the same or different 1W10C hydrocarbon groups, Y<sup>1</sup> and Y<sup>2</sup> are the same or different formula II (R<sup>7</sup> is H or 1W6C hydrocarbon groups), -O- or -S-, X<sup>1</sup> and X<sup>2</sup> are the same or different 2W20C org. groups]. The polyurea obtd. by the above-mentioned reaction is formed into a thin film, whereby the permeable mem-

brane having a high transmission rate of oxygen and excellent selective permselectivity is obtd.

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